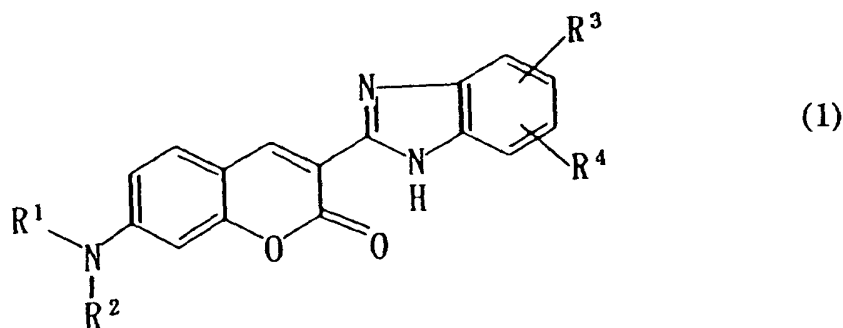
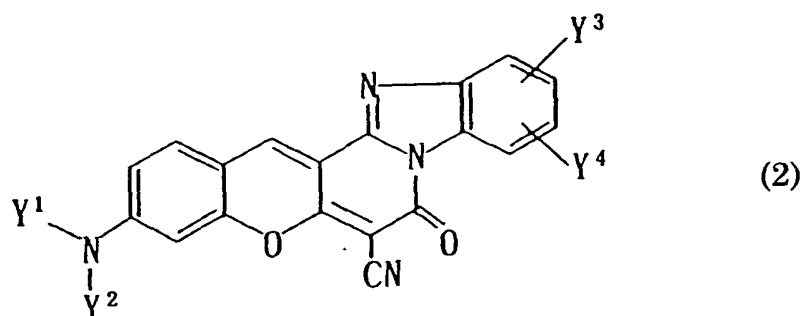


CLAIMS

1. Encapsulated type fluorescent retroreflective sheeting which comprises a surface-protective layer disposed on the side on which light is to strike, a binder layer connected to the surface-protective layer through network bonding parts, an air layer which is sealed-up by the network bonding parts between the surface-protective layer and the binder layer, and a retroreflective element layer disposed between the surface-protective layer and the air layer, or between the binder layer and the air layer, wherein at least one layer located on the light-incident side of sealed-up air layer contains at least one fluorescent dye selected from the group consisting of benzimidazole coumarin type-fluorescent dyes of formula (1) as follows:



wherein R¹ and R² each denote hydrogen atom, alkyl group, allyl group, cycloalkyl group, cyclohexylphenyl group or alkylphenyl group; and R³ and R⁴ each denote hydrogen atom, halogen atom, alkyl group or alkoxy group, and benzopyran type-fluorescent dyes of formula (2) as follows:



wherein Y¹ and Y² each denote hydrogen atom, cyano group, alkyl group, alkoxy group, allyl group, allyloxy group, carboalkoxy group, acetoxy-substituted alkyl group, cycloalkyl group or phenyl group; and Y³ and Y⁴ each denote hydrogen atom, halogen atom, alkoxy group, cyano group or nitro group.

2. Fluorescent retroreflective sheeting of claim 1 wherein the benzimidazole coumarin type-fluorescent dye of formula (1) is a yellow fluorescent dye of formula (1) wherein R¹ and R² each denote ethyl group and R³ and R⁴ each denote hydrogen atom.

3. Fluorescent retroreflective sheeting of claim 1 wherein the benzopyran type-fluorescent dye of formula (2) is a red fluorescent dye of formula (2) wherein Y¹ and Y² each denote allyl group and Y³ and Y⁴ each denote hydrogen atom.

4. Fluorescent retroreflective sheeting of claim 1 wherein at least one layer located on the light-incident side of sealed-up air layer contains said fluorescent dye in an amount of 0.01 to 0.5 PHR.

5. Fluorescent retroreflective sheeting of claim 1 wherein fluorescent dye-containing layer further contains a piperidine type hindered amine light stabilizer of tertiary amine structure which has a molecular weight of at least 600.

6. Fluorescent retroreflective sheeting of claim 5 wherein fluorescent dye-containing layer contains a piperidine type hindered amine light stabilizer in an amount 0 to 1 PHR.

7. Fluorescent retroreflective sheeting of claim 1 wherein retroreflective layer and/or surface-protective layer and/or

fluorescent dye-containing layer include an ultraviolet absorber.

8. Fluorescent retroreflective sheeting of claim 7 wherein ultraviolet absorber is one of benzotriazole type or of benzophenone type.

9. Fluorescent retroreflective sheeting of claim 1 wherein retroreflective element layer comprises cube-corner type retroreflective elements.

10. Fluorescent retroreflective sheeting of claim 9 wherein cube-corner type retroreflective elements are triangular-pyramidal cube-corner retroreflective elements.

11. Fluorescent retroreflective sheeting of claim 1 wherein retroreflective element layer comprises micro glass beads type retroreflective elements.

12. Fluorescent retroreflective sheeting of claim 1 wherein resin which constitutes retroreflective element layer are polycarbonate resins, (meth)acrylic resins, vinyl chloride resins or urethane resins.